

WHAT IS CLAIMED IS:

- 1           1.       A method for rendering network addresses of files capable of being  
2       downloaded over a network on an output device, comprising:  
3               generating a list of previously accessed network addresses; and  
4               associating an access time rating with each network address in the list indicating a  
5       relative time to access a file from the network address.
  
- 1           2.       The method of claim 1, further comprising:  
2               determining an access time indicator for one network address based on the access time  
3       rating, wherein there are at least two different access time indicators for different access time  
4       ratings; and  
5               rendering the access time indicator when rendering the network address on the output  
6       device.
  
- 1           3.       The method of claim 2, wherein the rendered access time indicator comprises  
2       an access time rendered with the network address.
  
- 1           4.       The method of claim 2, wherein the output device comprises a display monitor,  
2       wherein rendering the network address comprises displaying the network address on a display  
3       monitor and wherein rendering the access time indicator comprises altering the display of the  
4       network address on the display monitor.
  
- 1           5.       The method of claim 4, wherein the access time indicator comprises a color in  
2       which to display the network address on the display monitor.
  
- 1           6.       The method of claim 2, wherein the output device comprises a display monitor,  
2       wherein the file accessed from the network address comprises a page to display on the display

3 monitor, wherein the network address to render comprises a network address included in the  
4 page to display within the displayed page, and wherein the access time rating is based on a time  
5 to download the page from over the network.

1 7. The method of claim 6, wherein the access time rating is further based on a time  
2 to render the downloaded page as output on the display monitor.

1 8. The method of claim 6, wherein the time to download the page further  
2 comprises a time to download any files embedded in the page that are rendered with the page.

1 9. The method of claim 6, wherein generating the list of previously accessed  
2 network addresses with access time ratings comprises:  
3 each time the page is downloaded from the network address, determining a time to  
4 download the page from over the network;  
5 storing each determined time with the network address;  
6 calculating an expected access time from the stored determined times for each network  
7 address; and  
8 determining the access time rating from the expected access time.

1 10. The method of claim 6, wherein the page is implemented in a markup-language  
2 including tagged elements, further comprising:  
3 generating a document object including nodes for the tagged elements;  
4 generating a node for each network address included in the page; and  
5 generating an attribute for each network address node implementing the access time  
6 indicator determined from the network address, wherein the page is rendered from the  
7 document object.

1           11.    The method of claim 2, wherein rendering the access time indicator when  
2   rendering the processed network address further comprises:  
3           receiving characters of a network address a user inputs into an address field displayed  
4   on the output device;  
5           determining a set of network addresses from the list of previously accessed network  
6   addresses that begin with the received characters;  
7           determining the access time indicator for each of the determined network addresses in  
8   the set based on the access time rating associated with each network address; and  
9           rendering the determined access time indicator for each network address with the  
10   network address in a list of network addresses, wherein a user is capable of selecting one of the  
11   rendered network addresses to substitute for the received characters to enter into the address  
12   field.

1           12.    The method of claim 2, wherein rendering the access time indicator when  
2   rendering the processed network address further comprises:  
3           accessing a list of selected network addresses;  
4           determining the access time indicator for each of the network addresses in the list of  
5   selected network addresses based on the access time rating associated with each network  
6   address; and  
7           rendering the determined access time indicator with each network address in the list of  
8   selected network addresses.

1           13.    A system for rendering network addresses of files capable of being  
2   downloaded over a network on an output device, comprising:  
3           means for generating a list of previously accessed network addresses; and  
4           means for associating an access time rating with each network address in the list  
5   indicating a relative time to access a file from the network address.

1           14.    The system of claim 13, further comprising:  
2                means for determining an access time indicator for one network address based on the  
3 access time rating, wherein there are at least two different access time indicators for different  
4 access time ratings; and  
5                means for rendering the access time indicator when rendering the network address.

1           15.    The system of claim 14, wherein the rendered access time indicator comprises  
2 an access time rendered with the network address.

1           16.    The system of claim 14, wherein the output device comprises a display monitor,  
2 wherein the means for rendering the network address performs displaying the network address  
3 on the display monitor and wherein the means for rendering the access time indicator performs  
4 altering the display of the network address on the display monitor.

1           17.    The system of claim 16, wherein the access time indicator comprises a color in  
2 which to display the network address on the display monitor.

1           18.    The system of claim 14, wherein the output device comprises a display monitor,  
2 wherein the file accessed from the network address comprises a page to display on the display  
3 monitor, wherein the network address to render comprises a network address included in the  
4 page to display within the displayed page, and wherein the access time rating is based on a time  
5 to download the page from over the network.

1           19.    The system of claim 18, wherein the access time rating is further based on a  
2 time to render the downloaded page as output on the display monitor.

1           20.    The system of claim 18, wherein the time to download the page further  
2 comprises a time to download any files embedded in the page that are rendered with the page.

1           21.    The system of claim 18, wherein the means for generating the list of previously  
2 accessed network addresses with access time ratings performs:  
3           each time the page is downloaded from the network address, determining a time to  
4 download the page from over the network;  
5           storing each determined time with the network address;  
6           calculating an expected access time from the stored determined times for each network  
7 address; and  
8           determining the access time rating from the expected access time.

1           22.    The system of claim 18, wherein the page is implemented in a markup-language  
2 including tagged elements, further comprising:  
3           means for generating a document object including nodes for the tagged elements;  
4           means for generating a node for each network address included in the page; and  
5           means for generating an attribute for each network address node implementing the  
6 access time indicator determined from the network address, wherein the page is rendered from  
7 the document object.

1           23.    The system of claim 14, wherein the means for rendering the access time  
2 indicator when rendering the processed network address further performs:  
3           receiving characters of a network address a user inputs into an address field displayed  
4 on the output device;  
5           determining a set of network addresses from the list of previously accessed network  
6 addresses that begin with the received characters;

7           determining the access time indicator for each of the determined network addresses in  
8   the set based on the access time rating associated with each network address; and  
9           rendering the determined access time indicator for each network address with the  
10   network address in a list of network addresses, wherein a user is capable of selecting one of the  
11   rendered network addresses to substitute for the received characters to enter into the address  
12   field.

1           24.    The system of claim 14, wherein the means for rendering the access time  
2   indicator when rendering the processed network address further performs:

3           accessing a list of selected network addresses;  
4           determining the access time indicator for each of the network addresses in the list of  
5   selected network addresses based on the access time rating associated with each network  
6   address; and  
7           rendering the determined access time indicator with each network address in the list of  
8   selected network addresses.

1           25.    An article of manufacture for rendering network addresses of files capable of  
2   being downloaded over a network on an output device, wherein the article of manufacture  
3   comprises code implemented in a computer readable medium capable of causing a processor to  
4   perform:

5           generating a list of previously accessed network addresses; and  
6           associating an access time rating with each network address in the list indicating a  
7   relative time to access a file from the network address.

1           26.    The article of manufacture of claim 25, further comprising code capable of  
2   causing the processor to perform:

3           determining an access time indicator for one network address based on the access time  
4 rating, wherein there are at least two different access time indicators for different access time  
5 ratings; and  
6           rendering the access time indicator when rendering the network address.

1           27.     The article of manufacture of claim 26, wherein the rendered access time  
2 indicator comprises an access time rendered with the network address.

1           28.     The article of manufacture of claim 26, wherein the output device comprises a  
2 display monitor, wherein rendering the network address comprises displaying the network  
3 address on the display monitor and wherein rendering the access time indicator comprises  
4 altering the display of the network address on the display monitor.

1           29.     The article of manufacture of claim 28, wherein the access time indicator  
2 comprises a color in which to display the network address on the display monitor.

1           30.     The article of manufacture of claim 25, wherein the output device comprises a  
2 display monitor, wherein the file accessed from the network address comprises a page to  
3 display on the display monitor, wherein the network address to render comprises a network  
4 address included in the page to display within the displayed page, and wherein the access time  
5 rating is based on a time to download the page from over the network.

1           31.     The article of manufacture of claim 30, wherein the access time rating is further  
2 based on a time to render the downloaded page as output on the display monitor.

1           32.     The article of manufacture of claim 30, wherein the time to download the page  
2 further comprises a time to download any files embedded in the page that are rendered with the  
3 page.

1           33.     The article of manufacture of claim 30, wherein generating the list of previously  
2     accessed network addresses with access time ratings comprises:  
3           each time the page is downloaded from the network address, determining a time to  
4     download the page from over the network;  
5           storing each determined time with the network address;  
6           calculating an expected access time from the stored determined times for each network  
7     address; and  
8           determining the access time rating from the expected access time.

1           34.     The article of manufacture of claim 30, wherein the page is implemented in a  
2     markup-language including tagged elements, further comprising code capable of causing the  
3     processor to perform:  
4           generating a document object including nodes for the tagged elements;  
5           generating a node for each network address included in the page; and  
6           generating an attribute for each network address node implementing the access time  
7     indicator determined from the network address, wherein the page is rendered from the  
8     document object.

1           35.     The article of manufacture of claim 26, wherein rendering the access time  
2     indicator when rendering the processed network address further comprises:  
3           receiving characters of a network address a user inputs into an address field displayed  
4     on the output device.  
5           determining a set of network addresses from the list of previously accessed network  
6     addresses that begin with the received characters;  
7           determining the access time indicator for each of the determined network addresses in  
8     the set based on the access time rating associated with each network address; and



9 rendering the determined access time indicator for each network address with the  
10 network address in a list of network addresses, wherein a user is capable of selecting one of the  
11 rendered network addresses to substitute for the received characters to enter into the address  
12 field.

1 36. The article of manufacture of claim 26, wherein rendering the access time  
2 indicator when rendering the processed network address further comprises:  
3 accessing a list of selected network addresses;  
4 determining the access time indicator for each of the network addresses in the list of  
5 selected network addresses based on the access time rating associated with each network  
6 address; and  
7 rendering the determined access time indicator with each network address in the list of  
8 selected network addresses.